

Ludlow

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	13.67	16	117	Male	8.16	6	74
Female	5.14	5	97	Female	6.07	7	115
Total	18.80	21	112	Total	14.23	13	91
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.16	5	120	Male	2.55	3	NC*
Female	3.30	3	NC*	Female	2.28	2	NC*
Total	7.47	8	107	Total	4.83	5	104
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.86	0	NC*	Male	10.37	9	87
Female	79.51	75	94	Female	9.37	11	117
Total	80.36	75	93	Total	19.73	20	101
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.54	2	NC*	Male	8.36	6	72
				Female	3.95	1	NC*
				Total	12.31	7	57
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	34.25	52	152 ~+	Female	9.28	9	97
Female	32.27	31	96				
Total	66.52	83	125				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.83	0	NC*	Male	5.31	3	NC*
Female	1.66	1	NC*	Female	5.63	5	89
Total	6.50	1	NC*	Total	10.94	8	73
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.88	3	NC*	Male	81.60	81	99
Female	1.50	0	NC*				
Total	3.37	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	7.66	15	196 #+	Male	5.71	6	105
Female	4.80	2	NC*	Female	3.43	4	NC*
Total	12.46	17	136	Total	9.14	10	109
<u>Larynx</u>				<u>Testis</u>			
Male	4.40	3	NC*	Male	2.76	0	NC*
Female	1.20	1	NC*				
Total	5.60	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.70	3	NC*	Male	1.56	1	NC*
Female	4.35	3	NC*	Female	4.00	4	NC*
Total	10.04	6	60	Total	5.56	5	90
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.83	0	NC*	Female	15.45	23	149
Female	1.19	0	NC*				
Total	4.02	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	43.14	41	95	Male	267.92	267	100
Female	33.80	26	77	Female	250.90	235	94
Total	76.94	67	87	Total	518.82	502	97

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

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Lunenburg

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.02	13	216 #+	Male	3.79	5	132
Female	2.09	6	287 #+	Female	2.72	0	NC*
Total	8.11	19	234 ~+	Total	6.51	5	77
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.96	3	NC*	Male	1.15	1	NC*
Female	1.45	4	NC*	Female	0.96	0	NC*
Total	3.41	7	205	Total	2.11	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.39	0	NC*	Male	4.76	2	NC*
Female	35.34	43	122	Female	3.93	4	NC*
Total	35.73	43	120	Total	8.69	6	69
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.10	3	NC*	Male	3.97	2	NC*
				Female	1.71	1	NC*
				Total	5.69	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	15.14	14	92	Female	4.14	3	NC*
Female	13.08	17	130				
Total	28.23	31	110				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.23	1	NC*	Male	2.40	0	NC*
Female	0.67	0	NC*	Female	2.28	1	NC*
Total	2.90	1	NC*	Total	4.68	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.89	0	NC*	Male	36.97	29	78
Female	0.67	0	NC*				
Total	1.56	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.56	0	NC*	Male	2.54	3	NC*
Female	2.04	2	NC*	Female	1.40	0	NC*
Total	5.60	2	NC*	Total	3.94	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.07	2	NC*	Male	1.30	1	NC*
Female	0.52	0	NC*				

Total	2.59	2	NC*
<u>Leukemia</u>			
Male	2.60	3	NC*
Female	1.89	2	NC*
Total	4.49	5	111

Liver and Intrahepatic Bile Ducts

Male	1.31	2	NC*
Female	0.49	1	NC*
Total	1.80	3	NC*

Lung and Bronchus

Male	19.50	16	82
Female	14.17	11	78
Total	33.66	27	80

Thyroid

Male	0.75	1	NC*
Female	1.86	3	NC*
Total	2.61	4	NC*

Uteri, Corpus and Uterus, NOS

Female	6.84	8	117
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All Sites / Types

Male	121.47	107	88
Female	108.00	112	104
Total	229.47	219	95

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Lynn

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	49.60	53	107
Female	22.20	30	135
Total	71.80	83	116
<u>Brain and Other Central Nervous System</u>			
Male	15.79	21	133
Female	13.82	12	87
Total	29.61	33	111
<u>Breast</u>			
Male	3.10	4	NC*
Female	321.51	322	100
Total	324.61	326	100
<u>Cervix Uteri</u>			
Female	19.13	20	105
<u>Colon / Rectum</u>			
Male	123.67	165	133 ^+
Female	139.95	136	97
Total	263.63	301	114 #+
<u>Esophagus</u>			
Male	17.13	23	134

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	30.02	19	63 #-
Female	25.59	20	78
Total	55.61	39	70 #-
<u>Multiple Myeloma</u>			
Male	9.12	10	110
Female	9.39	18	192 #+
Total	18.51	28	151 #+
<u>Non-Hodgkin's Lymphoma</u>			
Male	38.73	56	145 #+
Female	39.39	54	137 #+
Total	78.11	110	141 ^+
<u>Oral Cavity and Pharynx</u>			
Male	29.94	37	124
Female	16.30	21	129
Total	46.24	58	125
<u>Ovary</u>			
Female	37.75	41	109
<u>Pancreas</u>			
Male	19.08	22	115

Female	7.23	1	NC*
Total	24.36	24	99
<u>Hodgkin's Disease</u>			
Male	7.83	13	166
Female	6.80	2	NC*
Total	14.62	15	103
<u>Kidney and Renal Pelvis</u>			
Male	27.48	28	102
Female	19.45	25	129
Total	46.93	53	113
<u>Larynx</u>			
Male	15.51	16	103
Female	4.58	4	NC*
Total	20.09	20	100
<u>Leukemia</u>			
Male	21.64	21	97
Female	19.09	18	94
Total	40.73	39	96
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	10.15	16	158
Female	5.03	6	119
Total	15.17	22	145
<u>Lung and Bronchus</u>			
Male	152.88	200	131 ^+
Female	133.74	163	122 #+
Total	286.62	363	127 ^+

Female	24.04	26	108
Total	43.11	48	111
<u>Prostate</u>			
Male	286.05	305	107
<u>Stomach</u>			
Male	20.84	38	182 ^+
Female	15.18	22	145
Total	36.02	60	167 ^+
<u>Testis</u>			
Male	11.92	10	84
<u>Thyroid</u>			
Male	5.99	2	NC*
Female	17.29	13	75
Total	23.29	15	64
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	61.07	74	121
<u>All Sites / Types</u>			
Male	964.32	1132	117 ^+
Female	1037.90	1133	109 ~+
Total	2002.22	2265	113 ^+

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Lynnfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	9.75	15	154
Female	3.29	2	NC*
Total	13.04	17	130
<u>Brain and Other Central Nervous System</u>			
Male	2.89	4	NC*
Female	2.14	2	NC*
Total	5.03	6	119
<u>Breast</u>			

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	5.80	12	207 #+
Female	4.03	12	298 ~+
Total	9.83	24	244 ^+
<u>Multiple Myeloma</u>			
Male	1.83	2	NC*
Female	1.50	1	NC*
Total	3.33	3	NC*
<u>Non-Hodgkin's Lymphoma</u>			

Male	0.62	1	NC*
Female	54.21	60	111
Total	54.83	61	111

Cervix Uteri

Female	3.01	3	NC*
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Colon / Rectum

Male	24.42	32	131
Female	20.55	19	92
Total	44.97	51	113

Esophagus

Male	3.54	3	NC*
Female	1.06	1	NC*
Total	4.60	4	NC*

Hodgkin's Disease

Male	1.17	1	NC*
Female	0.91	0	NC*
Total	2.07	1	NC*

Kidney and Renal Pelvis

Male	5.55	6	108
Female	3.17	4	NC*
Total	8.72	10	115

Larynx

Male	3.25	2	NC*
Female	0.82	0	NC*
Total	4.07	2	NC*

Leukemia

Male	3.95	4	NC*
Female	2.81	3	NC*
Total	6.76	7	104

Liver and Intrahepatic Bile Ducts

Male	2.05	0	NC*
Female	0.76	0	NC*
Total	2.81	0	NC*

Lung and Bronchus

Male	31.16	26	83
Female	22.30	22	99
Total	53.45	48	90

Male	7.26	7	96
Female	6.04	13	215 #+
Total	13.29	20	150

Oral Cavity and Pharynx

Male	6.13	2	NC*
Female	2.65	1	NC*
Total	8.79	3	NC*

Ovary

Female	6.29	7	111
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Pancreas

Male	3.84	3	NC*
Female	3.60	5	139
Total	7.44	8	107

Prostate

Male	59.39	77	130 #+
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Stomach

Male	4.08	1	NC*
Female	2.19	2	NC*
Total	6.27	3	NC*

Testis

Male	1.59	2	NC*
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Thyroid

Male	1.06	1	NC*
Female	2.59	0	NC*
Total	3.65	1	NC*

Uteri, Corpus and Uterus, NOS

Female	10.63	6	56
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All Sites / Types

Male	191.98	220	115
Female	166.30	181	109
Total	358.28	401	112 #+

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Malden

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	32.99	30	91	Male	20.19	16	79
Female	14.95	15	100	Female	17.61	11	62
Total	47.94	45	94	Total	37.81	27	71
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	10.38	12	116	Male	6.01	6	100
Female	9.14	9	99	Female	6.28	9	143
Total	19.51	21	108	Total	12.28	15	122
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	2.06	2	NC*	Male	26.00	29	112
Female	217.79	210	96	Female	26.54	27	102
Total	219.85	212	96	Total	52.54	56	107
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	13.46	19	141	Male	19.99	21	105
				Female	10.96	13	119
				Total	30.95	34	110
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	82.37	87	106	Female	25.61	28	109
Female	94.17	94	100				
Total	176.54	181	103				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	11.43	10	88	Male	12.77	9	71
Female	4.87	7	144	Female	16.19	11	68
Total	16.30	17	104	Total	28.95	20	69
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	5.38	6	112	Male	190.55	181	95
Female	4.72	5	106				
Total	10.09	11	109				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	18.16	28	154 #+	Male	13.93	14	101
Female	12.99	18	139	Female	10.27	19	185 #+
Total	31.15	46	148 #+	Total	24.20	33	136
<u>Larynx</u>				<u>Testis</u>			
Male	10.33	12	116	Male	8.58	10	117
Female	3.05	3	NC*				
Total	13.38	15	112				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	14.03	14	100	Male	4.14	3	NC*
Female	12.51	17	136	Female	12.23	9	74
Total	26.54	31	117	Total	16.37	12	73
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	6.76	12	178	Female	40.98	40	98
Female	3.35	3	NC*				
Total	10.11	15	148				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	101.56	124	122 #+	Male	642.66	672	105
Female	89.18	99	111	Female	700.24	719	103
Total	190.73	223	117 #+	Total	1342.90	1391	104

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Manchester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.00	3	NC*	Male	2.45	4	NC*
Female	1.57	0	NC*	Female	1.91	6	313 #+
Total	5.57	3	NC*	Total	4.36	10	229 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.24	1	NC*	Male	0.75	0	NC*
Female	1.00	0	NC*	Female	0.71	3	NC*
Total	2.24	1	NC*	Total	1.46	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.26	0	NC*	Male	3.06	5	163
Female	25.42	26	102	Female	2.85	0	NC*
Total	25.68	26	101	Total	5.91	5	85
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.43	0	NC*	Male	2.59	1	NC*
				Female	1.25	1	NC*
				Total	3.84	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.05	11	109	Female	2.95	3	NC*
Female	9.82	14	143				
Total	19.87	25	126				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.48	1	NC*	Male	1.59	2	NC*
Female	0.51	0	NC*	Female	1.72	4	NC*
Total	1.98	1	NC*	Total	3.31	6	181
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.53	0	NC*	Male	24.68	40	162 ~+
Female	0.44	1	NC*				
Total	0.96	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.32	2	NC*	Male	1.68	1	NC*
Female	1.48	1	NC*	Female	1.05	1	NC*
Total	3.80	3	NC*	Total	2.74	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.36	2	NC*	Male	0.75	1	NC*
Female	0.38	0	NC*				

Total	1.74	2	NC*
<u>Leukemia</u>			
Male	1.66	1	NC*
Female	1.33	2	NC*
Total	2.99	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.86	0	NC*
Female	0.36	0	NC*
Total	1.22	0	NC*
<u>Lung and Bronchus</u>			
Male	12.92	10	77
Female	10.33	10	97
Total	23.25	20	86

<u>Thyroid</u>			
Male	0.47	0	NC*
Female	1.24	0	NC*
Total	1.71	0	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	4.95	4	NC*
<u>All Sites / Types</u>			
Male	79.99	90	113
Female	78.33	80	102
Total	158.32	170	107

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Mansfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.88	9	114	Male	5.97	7	117
Female	2.81	4	NC*	Female	4.72	4	NC*
Total	10.69	13	122	Total	10.69	11	103
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.38	5	148	Male	1.56	3	NC*
Female	2.54	3	NC*	Female	1.35	4	NC*
Total	5.93	8	135	Total	2.91	7	241
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.54	0	NC*	Male	7.52	9	120
Female	55.78	58	104	Female	5.94	3	NC*
Total	56.32	58	103	Total	13.46	12	89
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.05	4	NC*	Male	6.15	7	114
<u>Colon / Rectum</u>				Female	2.58	2	NC*
Male	19.94	17	85	Total	8.73	9	103
Female	17.62	23	131	<u>Ovary</u>			
Total	37.56	40	106	Female	6.78	6	88
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.15	2	NC*	Male	3.29	0	NC*

Female	0.88	1	NC*
Total	4.03	3	NC*

Hodgkin's Disease

Male	1.90	4	NC*
Female	1.48	2	NC*
Total	3.38	6	177

Kidney and Renal Pelvis

Male	5.29	4	NC*
Female	3.03	5	165
Total	8.32	9	108

Larynx

Male	3.02	3	NC*
Female	0.78	2	NC*
Total	3.80	5	132

Leukemia

Male	4.14	1	NC*
Female	3.13	3	NC*
Total	7.28	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.92	1	NC*
Female	0.68	0	NC*
Total	2.61	1	NC*

Lung and Bronchus

Male	26.34	28	106
Female	20.18	22	109
Total	46.52	50	107

Female	3.04	5	164
Total	6.33	5	79

Prostate

Male	49.20	29	59 ~-
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Stomach

Male	3.46	2	NC*
Female	1.92	2	NC*
Total	5.38	4	NC*

Testis

Male	3.07	9	294 ~+
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Thyroid

Male	1.42	1	NC*
Female	3.84	1	NC*
Total	5.27	2	NC*

Uteri, Corpus and Uterus, NOS

Female	10.40	10	96
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All Sites / Types

Male	171.39	154	90
Female	164.86	174	106
Total	336.24	328	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

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Marblehead

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	16.03	9	56
Female	5.97	9	151
Total	22.00	18	82

Brain and Other Central Nervous System

Male	4.81	8	166
Female	3.79	5	132
Total	8.59	13	151

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	9.65	20	207 ~+
Female	7.28	14	192 #+
Total	16.93	34	201 ^+

Multiple Myeloma

Male	3.00	3	NC*
Female	2.66	2	NC*
Total	5.66	5	88

Non-Hodgkin's Lymphoma

Male	1.02	1	NC*
Female	95.97	127	132 ~+
Total	96.99	128	132 ~+

Cervix Uteri

Female	5.47	6	110
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Colon / Rectum

Male	40.07	27	67 #-
Female	37.28	36	97
Total	77.35	63	81

Esophagus

Male	5.84	2	NC*
Female	1.92	6	312 #+
Total	7.76	8	103

Hodgkin's Disease

Male	2.01	3	NC*
Female	1.68	2	NC*
Total	3.69	5	135

Kidney and Renal Pelvis

Male	9.14	11	120
Female	5.56	4	NC*
Total	14.70	15	102

Larynx

Male	5.35	5	94
Female	1.42	0	NC*
Total	6.76	5	74

Leukemia

Male	6.56	14	214 #+
Female	5.06	10	198
Total	11.62	24	207 ~+

Liver and Intrahepatic Bile Ducts

Male	3.38	0	NC*
Female	1.36	0	NC*
Total	4.74	0	NC*

Lung and Bronchus

Male	50.91	28	55 ^-
Female	38.73	37	96
Total	89.63	65	73 ~-

Male	12.09	11	91
Female	10.79	10	93
Total	22.88	21	92

Oral Cavity and Pharynx

Male	10.18	7	69
Female	4.72	3	NC*
Total	14.90	10	67

Ovary

Female	11.15	17	152
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Pancreas

Male	6.33	9	142
Female	6.49	9	139
Total	12.82	18	140

Prostate

Male	96.86	136	140 ^+
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Stomach

Male	6.75	7	104
Female	4.02	3	NC*
Total	10.77	10	93

Testis

Male	2.79	7	251 #+
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Thyroid

Male	1.80	5	277
Female	4.76	5	105
Total	6.56	10	152

Uteri, Corpus and Uterus, NOS

Female	18.60	17	91
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All Sites / Types

Male	315.56	331	105
Female	296.04	343	116 ~+
Total	611.60	674	110 #+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Marion

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.02	5	124	Male	2.50	7	280 #+
Female	1.28	0	NC*	Female	1.74	1	NC*
Total	5.30	5	94	Total	4.24	8	189
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.29	0	NC*	Male	0.78	0	NC*
Female	0.95	1	NC*	Female	0.62	1	NC*
Total	2.23	1	NC*	Total	1.40	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.26	0	NC*	Male	3.12	2	NC*
Female	23.43	17	73	Female	2.49	1	NC*
Total	23.69	17	72	Total	5.61	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.35	1	NC*	Male	2.67	3	NC*
				Female	1.11	0	NC*
				Total	3.78	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.11	9	89	Female	2.74	2	NC*
Female	7.95	7	88				
Total	18.06	16	89				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.50	1	NC*	Male	1.60	3	NC*
Female	0.41	0	NC*	Female	1.41	1	NC*
Total	1.91	1	NC*	Total	3.01	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.53	1	NC*	Male	24.95	25	100
Female	0.41	0	NC*				
Total	0.94	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.40	4	NC*	Male	1.69	2	NC*
Female	1.34	1	NC*	Female	0.83	0	NC*
Total	3.75	5	133	Total	2.52	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.40	0	NC*	Male	0.73	1	NC*
Female	0.36	0	NC*				
Total	1.76	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.72	1	NC*	Male	0.48	0	NC*
Female	1.17	3	NC*	Female	1.17	0	NC*
Total	2.89	4	NC*	Total	1.65	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.88	0	NC*	Female	4.62	3	NC*
Female	0.31	0	NC*				
Total	1.19	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	13.14	8	61	Male	81.14	74	91
Female	9.53	6	63	Female	69.89	49	70 #-
Total	22.66	14	62	Total	151.04	123	81 #-

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Marlborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	16.58	14	84	Male	11.53	8	69
Female	7.03	4	NC*	Female	9.40	5	53
Total	23.61	18	76	Total	20.94	13	62
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	6.29	4	NC*	Male	3.17	8	252 #+
Female	4.95	5	101	Female	3.08	3	NC*
Total	11.23	9	80	Total	6.25	11	176
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.09	1	NC*	Male	14.67	18	123
Female	114.33	132	115	Female	13.20	9	68
Total	115.41	133	115	Total	27.87	27	97
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.53	5	66	Male	11.58	17	147
<u>Colon / Rectum</u>				Female	5.58	5	90
Male	41.90	36	86	Total	17.16	22	128
Female	44.08	47	107	<u>Ovary</u>			
Total	85.99	83	97	Female	13.63	9	66
<u>Esophagus</u>				<u>Pancreas</u>			
Male	6.20	6	97	Male	6.67	8	120
Female	2.26	1	NC*	Female	7.62	10	131
Total	8.46	7	83	Total	14.29	18	126
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	3.51	5	142	Male	100.74	99	98
Female	2.68	3	NC*	<u>Stomach</u>			
Total	6.19	8	129	Male	7.13	9	126
<u>Kidney and Renal Pelvis</u>				Female	4.82	4	NC*
Male	10.24	13	127	Total	11.94	13	109
Female	6.58	3	NC*	<u>Testis</u>			
Total	16.82	16	95	Male	5.78	8	138
<u>Larynx</u>							
Male	5.82	5	86				
Female	1.60	0	NC*				

Total	7.42	5	67
<u>Leukemia</u>			
Male	7.93	11	139
Female	6.53	11	168
Total	14.46	22	152
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	3.75	5	133
Female	1.62	3	NC*
Total	5.37	8	149
<u>Lung and Bronchus</u>			
Male	53.88	67	124
Female	44.52	53	119
Total	98.40	120	122 #+

<u>Thyroid</u>			
Male	2.63	4	NC*
Female	6.96	4	NC*
Total	9.60	8	83
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	21.44	13	61
<u>All Sites / Types</u>			
Male	345.56	369	107
Female	355.56	364	102
Total	701.12	733	105

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Marshfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	11.18	4	NC*
Female	4.11	6	146
Total	15.29	10	65
<u>Brain and Other Central Nervous System</u>			
Male	4.37	5	115
Female	3.32	6	181
Total	7.69	11	143
<u>Breast</u>			
Male	0.76	0	NC*
Female	78.24	83	106
Total	78.99	83	105
<u>Cervix Uteri</u>			
Female	5.10	5	98
<u>Colon / Rectum</u>			
Male	28.34	32	113
Female	25.62	37	144 #+
Total	53.97	69	128
<u>Esophagus</u>			
Male	4.48	11	246 #+

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	8.01	4	NC*
Female	6.22	4	NC*
Total	14.23	8	56
<u>Multiple Myeloma</u>			
Male	2.19	3	NC*
Female	1.97	2	NC*
Total	4.17	5	120
<u>Non-Hodgkin's Lymphoma</u>			
Male	9.97	7	70
Female	8.28	12	145
Total	18.25	19	104
<u>Oral Cavity and Pharynx</u>			
Male	8.47	11	130
Female	3.67	10	272 ~+
Total	12.14	21	173 #+
<u>Ovary</u>			
Female	9.32	17	182 #+
<u>Pancreas</u>			
Male	4.67	6	128

Female	1.30	0	NC*
Total	5.77	11	191
<u>Hodgkin's Disease</u>			
Male	2.22	5	225
Female	1.70	1	NC*
Total	3.92	6	153
<u>Kidney and Renal Pelvis</u>			
Male	7.31	6	82
Female	4.34	7	161
Total	11.65	13	112
<u>Larynx</u>			
Male	4.27	3	NC*
Female	1.14	1	NC*
Total	5.41	4	NC*
<u>Leukemia</u>			
Male	5.42	2	NC*
Female	4.14	3	NC*
Total	9.56	5	52
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	2.67	0	NC*
Female	0.99	1	NC*
Total	3.66	1	NC*
<u>Lung and Bronchus</u>			
Male	37.66	61	162 ^+
Female	29.66	44	148 #+
Total	67.32	105	156 ^+

Female	4.48	1	NC*
Total	9.16	7	76
<u>Prostate</u>			
Male	71.48	83	116
<u>Stomach</u>			
Male	4.86	3	NC*
Female	2.75	1	NC*
Total	7.61	4	NC*
<u>Testis</u>			
Male	3.43	5	146
<u>Thyroid</u>			
Male	1.79	4	NC*
Female	4.65	5	108
Total	6.44	9	140
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	14.98	18	120
<u>All Sites / Types</u>			
Male	239.94	276	115 #+
Female	231.76	283	122 ~+
Total	471.69	559	119 ^+

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Mashpee

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.63	14	211 #+
Female	2.37	2	NC*
Total	9.00	16	178 #+
<u>Brain and Other Central Nervous System</u>			
Male	1.93	5	259
Female	1.55	2	NC*
Total	3.48	7	201
<u>Breast</u>			

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	3.76	4	NC*
Female	2.85	2	NC*
Total	6.62	6	91
<u>Multiple Myeloma</u>			
Male	1.20	0	NC*
Female	1.01	0	NC*
Total	2.21	0	NC*
<u>Non-Hodgkin's Lymphoma</u>			

Male	0.41	0	NC*
Female	35.71	46	129
Total	36.12	46	127

Cervix Uteri

Female	2.19	3	NC*
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Colon / Rectum

Male	16.53	25	151
Female	14.84	17	115
Total	31.36	42	134

Esophagus

Male	2.24	1	NC*
Female	0.77	2	NC*
Total	3.01	3	NC*

Hodgkin's Disease

Male	0.88	0	NC*
Female	0.78	0	NC*
Total	1.66	0	NC*

Kidney and Renal Pelvis

Male	3.52	3	NC*
Female	2.15	2	NC*
Total	5.67	5	88

Larynx

Male	2.00	1	NC*
Female	0.52	0	NC*
Total	2.51	1	NC*

Leukemia

Male	2.73	4	NC*
Female	2.08	0	NC*
Total	4.82	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.31	2	NC*
Female	0.55	1	NC*
Total	1.85	3	NC*

Lung and Bronchus

Male	20.28	23	113
Female	14.78	23	156
Total	35.06	46	131

Male	4.87	7	144
Female	4.29	3	NC*
Total	9.17	10	109

Oral Cavity and Pharynx

Male	3.77	7	186
Female	1.79	4	NC*
Total	5.56	11	198

Ovary

Female	4.22	4	NC*
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Pancreas

Male	2.52	4	NC*
Female	2.59	7	270 #+
Total	5.11	11	215 #+

Prostate

Male	38.27	76	199 ^+
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Stomach

Male	2.75	6	218
Female	1.61	1	NC*
Total	4.36	7	161

Testis

Male	1.28	4	NC*
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Thyroid

Male	0.70	2	NC*
Female	1.98	2	NC*
Total	2.68	4	NC*

Uteri, Corpus and Uterus, NOS

Female	6.79	4	NC*
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All Sites / Types

Male	126.29	204	162 ^+
Female	113.93	131	115
Total	240.22	335	139 ^+

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Mattapoisett

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.83	5	104	Male	2.86	2	NC*
Female	1.79	1	NC*	Female	2.10	4	NC*
Total	6.62	6	91	Total	4.96	6	121
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.42	1	NC*	Male	0.90	2	NC*
Female	1.12	0	NC*	Female	0.79	0	NC*
Total	2.53	1	NC*	Total	1.69	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	0	NC*	Male	3.59	0	NC*
Female	28.03	34	121	Female	3.21	4	NC*
Total	28.34	34	120	Total	6.80	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.55	1	NC*	Male	3.00	1	NC*
				Female	1.39	2	NC*
				Total	4.39	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.05	10	83	Female	3.25	1	NC*
Female	11.21	8	71				
Total	23.26	18	77				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.74	2	NC*	Male	1.90	3	NC*
Female	0.58	0	NC*	Female	1.96	2	NC*
Total	2.32	2	NC*	Total	3.85	5	130
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.59	0	NC*	Male	28.93	29	100
Female	0.48	1	NC*				
Total	1.07	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.70	3	NC*	Male	2.03	1	NC*
Female	1.66	1	NC*	Female	1.20	2	NC*
Total	4.36	4	NC*	Total	3.23	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.58	2	NC*	Male	0.81	0	NC*
Female	0.42	0	NC*				
Total	2.00	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.96	1	NC*	Male	0.53	0	NC*
Female	1.50	3	NC*	Female	1.34	0	NC*
Total	3.46	4	NC*	Total	1.86	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.00	0	NC*	Female	5.46	7	128
Female	0.41	1	NC*				
Total	1.41	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	15.19	10	66	Male	94.19	78	83
Female	11.61	19	164	Female	87.41	102	117
Total	26.80	29	108	Total	181.60	180	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Maynard

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.01	7	117	Male	3.95	1	NC*
Female	2.67	0	NC*	Female	3.29	5	152
Total	8.67	7	81	Total	7.24	6	83
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.08	4	NC*	Male	1.14	0	NC*
Female	1.74	2	NC*	Female	1.17	2	NC*
Total	3.82	6	157	Total	2.32	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.39	1	NC*	Male	4.99	5	100
Female	41.64	50	120	Female	4.88	9	185
Total	42.03	51	121	Total	9.86	14	142
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.52	7	277 #+	Male	4.06	2	NC*
<u>Colon / Rectum</u>				Female	2.06	0	NC*
Male	15.09	12	80	Total	6.11	2	NC*
Female	16.80	19	113	<u>Ovary</u>			
Total	31.89	31	97	Female	4.89	7	143
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.22	2	NC*	Male	2.40	1	NC*
Female	0.86	1	NC*	Female	2.89	1	NC*
Total	3.09	3	NC*	Total	5.29	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.05	1	NC*	Male	36.26	33	91
Female	0.86	0	NC*	<u>Stomach</u>			
Total	1.90	1	NC*	Male	2.56	2	NC*
<u>Kidney and Renal Pelvis</u>				Female	1.81	0	NC*
Male	3.60	1	NC*	Total	4.38	2	NC*
Female	2.44	2	NC*	<u>Testis</u>			
Total	6.05	3	NC*	Male	1.63	1	NC*
<u>Larynx</u>							
Male	2.07	0	NC*				
Female	0.60	0	NC*				

Total	2.67	0	NC*
<u>Leukemia</u>			
Male	2.71	3	NC*
Female	2.32	3	NC*
Total	5.03	6	119

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.32	2	NC*
Female	0.61	0	NC*
Total	1.93	2	NC*

<u>Lung and Bronchus</u>			
Male	19.29	31	161 #+
Female	16.93	14	83
Total	36.22	45	124

<u>Thyroid</u>			
Male	0.84	1	NC*
Female	2.27	6	264
Total	3.11	7	225

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	7.95	10	126

<u>All Sites / Types</u>			
Male	122.11	116	95
Female	130.83	145	111
Total	252.93	261	103

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Medfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	6.16	4	NC*
Female	2.10	1	NC*
Total	8.26	5	61

<u>Brain and Other Central Nervous System</u>			
Male	2.39	4	NC*
Female	1.72	3	NC*
Total	4.11	7	170

<u>Breast</u>			
Male	0.42	0	NC*
Female	41.02	40	98
Total	41.44	40	97

<u>Cervix Uteri</u>			
Female	2.62	0	NC*

<u>Colon / Rectum</u>			
Male	15.70	7	45 #-
Female	13.03	7	54
Total	28.74	14	49 ~-

<u>Esophagus</u>			
Male	2.53	2	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	4.39	7	159
Female	3.21	6	187
Total	7.60	13	171

<u>Multiple Myeloma</u>			
Male	1.23	3	NC*
Female	1.02	0	NC*
Total	2.25	3	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	5.42	8	148
Female	4.25	8	188
Total	9.66	16	166

<u>Oral Cavity and Pharynx</u>			
Male	4.76	1	NC*
Female	1.92	1	NC*
Total	6.67	2	NC*

<u>Ovary</u>			
Female	4.88	3	NC*

<u>Pancreas</u>			
Male	2.60	2	NC*

Female	0.66	2	NC*
Total	3.19	4	NC*
<u>Hodgkin's Disease</u>			
Male	1.13	0	NC*
Female	0.85	0	NC*
Total	1.99	0	NC*

<u>Kidney and Renal Pelvis</u>			
Male	4.11	6	146
Female	2.26	2	NC*
Total	6.37	8	126

<u>Larynx</u>			
Male	2.43	1	NC*
Female	0.61	0	NC*
Total	3.03	1	NC*

<u>Leukemia</u>			
Male	2.97	4	NC*
Female	2.14	2	NC*
Total	5.11	6	118

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.50	1	NC*
Female	0.51	1	NC*
Total	2.01	2	NC*

<u>Lung and Bronchus</u>			
Male	21.30	12	56 #-
Female	15.46	14	91
Total	36.76	26	71

Female	2.30	1	NC*
Total	4.90	3	NC*

<u>Prostate</u>			
Male	40.80	33	81

<u>Stomach</u>			
Male	2.66	2	NC*
Female	1.40	0	NC*
Total	4.06	2	NC*

<u>Testis</u>			
Male	1.68	2	NC*

<u>Thyroid</u>			
Male	0.95	1	NC*
Female	2.36	2	NC*
Total	3.32	3	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	7.91	11	139

<u>All Sites / Types</u>			
Male	134.03	107	80 #-
Female	120.30	109	91
Total	254.33	216	85 #-

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Medford

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	38.62	28	72
Female	17.04	19	112
Total	55.66	47	84

<u>Brain and Other Central Nervous System</u>			
Male	11.83	14	118
Female	10.47	11	105
Total	22.30	25	112

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	23.12	19	82
Female	19.91	15	75
Total	43.03	34	79

<u>Multiple Myeloma</u>			
Male	7.09	9	127
Female	7.27	10	137
Total	14.36	19	132

Non-Hodgkin's Lymphoma

Male	2.40	4	NC*
Female	250.97	259	103
Total	253.38	263	104

Cervix Uteri

Female	15.09	15	99
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Colon / Rectum

Male	96.69	113	117
Female	107.31	104	97
Total	204.00	217	106

Esophagus

Male	13.36	13	97
Female	5.55	4	NC*
Total	18.90	17	90

Hodgkin's Disease

Male	5.80	5	86
Female	5.19	4	NC*
Total	10.99	9	82

Kidney and Renal Pelvis

Male	21.22	17	80
Female	15.09	18	119
Total	36.31	35	96

Larynx

Male	12.08	9	75
Female	3.61	5	138
Total	15.69	14	89

Leukemia

Male	16.14	17	105
Female	14.12	11	78
Total	30.27	28	93

Liver and Intrahepatic Bile Ducts

Male	7.87	6	76
Female	3.86	7	181
Total	11.73	13	111

Lung and Bronchus

Male	120.09	139	116
Female	104.93	127	121 #+
Total	225.02	266	118 ~+

Male	29.69	26	88
Female	30.44	47	154 ~+
Total	60.13	73	121

Oral Cavity and Pharynx

Male	23.07	17	74
Female	12.60	17	135
Total	35.67	34	95

Ovary

Female	29.41	31	105
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Pancreas

Male	14.87	18	121
Female	18.52	19	103
Total	33.39	37	111

Prostate

Male	226.00	219	97
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Stomach

Male	16.15	25	155 #+
Female	11.59	16	138
Total	27.75	41	148 #+

Testis

Male	9.04	8	89
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Thyroid

Male	4.58	3	NC*
Female	13.58	17	125
Total	18.16	20	110

Uteri, Corpus and Uterus, NOS

Female	47.75	46	96
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All Sites / Types

Male	751.66	766	102
Female	804.74	869	108 #+
Total	1556.40	1635	105 #+

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